

Resource Summary Report

Generated by [RRID](#) on Jul 31, 2026

B6.Cg-Tg(Amigo2-cre)1Sieg/J

RRID:IMSR_JAX:030215

Type: Organism

Proper Citation

RRID:IMSR_JAX:030215

Organism Information

URL: <https://www.jax.org/strain/030215>

Proper Citation: RRID:IMSR_JAX:030215

Description: Mus musculus with name B6.Cg-Tg(Amigo2-cre)1Sieg/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: adhesion molecule with Ig like domain 2||transgene insertion 1; Steven A Siegelbaum; mutant strain|congenic strain: Amigo2||Tg(Amigo2-cre)1Sieg

Affected Gene: adhesion molecule with Ig like domain 2||transgene insertion 1; Steven A Siegelbaum

Genomic Alteration: transgene insertion 1; Steven A Siegelbaum

Catalog Number: JAX:030215

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.Cg-Tg(Amigo2-cre)1Sieg/J

Record Creation Time: 20250513T053813+0000

Record Last Update: 20260725T044517+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Tg(Amigo2-cre)1Sieg/J.

No alerts have been found for B6.Cg-Tg(Amigo2-cre)1Sieg/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 16 mentions in open access literature.

Listed below are recent publications. The full list is available at [RRID](#) .

Faiss L, et al. (2025) Hippocampal Commissural Circuitry Shows Asymmetric cAMP-Dependent Synaptic Plasticity. ACS chemical neuroscience, 16(21), 4236.

Boyle LM, et al. (2024) Tuned geometries of hippocampal representations meet the computational demands of social memory. Neuron.

Yokose J, et al. (2024) Visuotactile integration facilitates mirror-induced self-directed behavior through activation of hippocampal neuronal ensembles in mice. Neuron, 112(2), 306.

Peng S, et al. (2023) A new AAV tool for highly preferentially targeting hippocampal CA2. Molecular brain, 16(1), 50.

Whitebirch AC, et al. (2023) Reduced Cholecystokinin-Expressing Interneuron Input Contributes to Disinhibition of the Hippocampal CA2 Region in a Mouse Model of Temporal Lobe Epilepsy. The Journal of neuroscience : the official journal of the Society for Neuroscience, 43(41), 6930.

Hassan SI, et al. (2023) Social odor discrimination and its enhancement by associative learning in the hippocampal CA2 region. Neuron, 111(14), 2232.

Lopez-Rojas J, et al. (2022) A direct lateral entorhinal cortex to hippocampal CA2 circuit conveys social information required for social memory. Neuron, 110(9), 1559.

Tsai TC, et al. (2022) A dorsal CA2 to ventral CA1 circuit contributes to oxytocinergic modulation of long-term social recognition memory. Journal of biomedical science, 29(1), 50.

Whitebirch AC, et al. (2022) Enhanced excitability of the hippocampal CA2 region and its contribution to seizure activity in a mouse model of temporal lobe epilepsy. Neuron, 110(19), 3121.

Szabo GG, et al. (2022) Ripple-selective GABAergic projection cells in the hippocampus. Neuron, 110(12), 1959.

Leroy F, et al. (2022) Enkephalin release from VIP interneurons in the hippocampal CA2/3a region mediates heterosynaptic plasticity and social memory. Molecular

psychiatry, 27(6), 2879.

Hartmann J, et al. (2021) Mineralocorticoid receptors dampen glucocorticoid receptor sensitivity to stress via regulation of FKBP5. *Cell reports*, 35(9), 109185.

Tirko NN, et al. (2018) Oxytocin Transforms Firing Mode of CA2 Hippocampal Neurons. *Neuron*, 100(3), 593.

Palacio S, et al. (2017) Heterogeneity in Kv2 Channel Expression Shapes Action Potential Characteristics and Firing Patterns in CA1 versus CA2 Hippocampal Pyramidal Neurons. *eNeuro*, 4(4).

Leroy F, et al. (2017) Input-Timing-Dependent Plasticity in the Hippocampal CA2 Region and Its Potential Role in Social Memory. *Neuron*, 95(5), 1089.

Hitti FL, et al. (2014) The hippocampal CA2 region is essential for social memory. *Nature*, 508(7494), 88.